

Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using SW model.

Run on: March 30, 2003, 02:55:22 ; Search time 44:3593 seconds (without alignments)

9333.196 Million cell updates/sec

Title: US-09-768-781-1

Perfect score: 1350

Sequence: 1 atggacagtttatgaaat.....caaggccaaagtgttgtctga 1350

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

441362 seqs, 151338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing First 45 summaries

Database : Issued_Patents_NA.*

1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PC7US_COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	12.7	1588	3	US-09-058-489-45	Sequence 45, Appl		
2	45.4	3.4	7218	1	US-08-322-465-14	Sequence 14, Appl	
3	36	2.7	2400	3	US-08-815-809-4	Sequence 4, Appl	
4	35.2	2.6	10462	2	US-08-158-6	Sequence 6, Appl	
5	35.2	2.6	10962	3	US-09-079-587-6	Sequence 6, Appl	
6	35.2	2.6	19877	2	US-08-1816-158B-8	Sequence 8, Appl	
7	34.6	2.6	1466	2	US-09-079-587-8	Sequence 8, Appl	
8	34.6	2.6	1466	2	US-08-538-960-1	Sequence 8, Appl	
9	34.6	2.6	1466	2	US-08-538-960-14	Sequence 14, Appl	
10	34.6	2.6	1466	4	US-08-559-254-1	Sequence 1, Appl	
11	34.6	2.6	1466	4	US-08-559-254-14	Sequence 14, Appl	
12	34.4	2.5	52677	3	US-08-916-255-12	Sequence 2, Appl	
13	33.8	2.5	777	4	US-09-134-001C-1767	Sequence 1767, Appl	
14	33.6	2.5	677	3	US-08-981-04-15	Sequence 15, Appl	
15	33.6	2.5	951	1	US-07-855-412B-2	Sequence 2, Appl	
16	33.6	2.5	951	2	US-08-108-887A-2	Sequence 2, Appl	
17	33.6	2.5	951	3	US-08-981-04-2	Sequence 2, Appl	
18	33.6	2.5	3471	2	US-08-115-58B-2	Sequence 2, Appl	
19	33.6	2.5	24240	2	US-08-724-394-20	Sequence 20, Appl	
20	33.6	2.5	24240	2	US-08-724-394-21	Sequence 21, Appl	
21	33.6	2.5	24240	2	US-08-724-394-22	Sequence 22, Appl	
22	33.4	2.5	1503	4	US-09-163-702A-33	Sequence 33, Appl	
23	33.4	2.5	3627	4	US-09-792-584-3	Sequence 3, Appl	
24	33.4	2.5	3850	4	US-09-163-702A-3	Sequence 1, Appl	
25	33.4	2.5	6000	3	US-09-006-636-9	Sequence 9, Appl	
26	33.4	2.5	6000	4	US-09-006-632-9	Sequence 9, Appl	
27	33.4	2.5	6000	4	US-09-325-274-9	Sequence 9, Appl	

ALIGNMENTS

RESULT 1									
US-09-058-489-45									
; Sequence 45, Application US/09058489									
; Patent No. 6103886									
; GENERAL INFORMATION:									
; APPLICANT: Whitehead Institute for Biomedical Research									
; APPLICANT: Page, David									
; TITLE OF INVENTION: Genes in the No. 6103886 Recombining Region of									
; TITLE OF INVENTION: the Y Chromosome									
; FILE REFERENCE: WH197-01DA									
; CURRENT APPLICATION NUMBER: US/09/058 489									
; CURRENT FILING DATE: 1998-04-10									
; EARLIER APPLICATION NUMBER: 60/041,877									
; EARLIER FILING DATE: 1997-04-11									
; NUMBER OF SEQ ID NOS: 91									
; SOFTWARE: FastSEQ for Windows Version 3.0									
; SEQ ID NO 45									
; TYPE: DNA									
; ORGANISM: Human									
; FEATURE:									
; NAME/KEY: CDS									
; LOCATION: (664) .. (1051)									
; US-09-058-489-45									
Query Match									
Best Local Similarity 58.8%; Pred. No. 1-56; Mismatches 370; Indels 8; Gaps 4;									
;保守性匹配									
Qy 601 AGAGTTGCTTAATGTTATTCCCGGTATGTGACCTATGGCCACCCCTTGGAT 660									
Db 677 ATAGCATTTGCTGATGACATATCCCTCTATCAGTTGTGA GTTGCCTATCTACTGCAT 735									
Qy 661 ATGTTGCTATGGATATGGCATTCGTTGGTGTGACTCTGGCATTC 720									
Db 736 ATACTGGCCATTCGCACTGGCATTCGTTGTGA 795									
Qy 721 CTCTGCTATCACATCTGGGGACATCTGGGACTACTTCGGCCCTCTGATTCGGCTC 780									
Db 796 ATCTATCTCATGATATGGCATTCGTTGGTGTGACTCTGGCATTC 855									
Qy 781 TTCTCAGCCAGTTGAAATGAGGTGTGGCCACTCTGTGATC 840									
Db 856 TTCCCTGGCATCTCTGAAACAGGGAGCTTACACTTCATATACTTGTATTA 915									
Qy 841 CTCTTGTAGCCCTGGATTAAGTCTGGAGAAAGTGTGGCCAGATGCCAATAACATGG 900									
Db 916 TTGTGTGACACCATGGTGGACTTCTCTAGGACACA-CAA-CAAC 973									

Qy 901 AAAACTTCAGCCGGTCCACTCTGGTGTCTGATTCACTCCCTATGCT 960
 Db 974 AATTTTCCGGATGGCTTACCTTAACTGTTCTGTTATGTTATGCT 1033
 Qy 961 GGCATCAACTTCTTGTCTGAGCTTGCAGTGGAGTGGAGATCTCGTC 1020
 Db 1034 GGCATCAA-TTCTCTGCTGAGCTGAAACTGAGCTGAAATAGGA---ATT 1088
 Qy 1021 GACAAAGGGAGAACCTGGGACATATGGGACTATAGTGAGGTGGTGGAGAT 1080
 Db 1089 GATAAGACAGGGACATCAACTTCACTACAGATTTCAGTTAGAAAT 1148
 Qy 1081 GTCATCAGGGTCTGGTTAACTCTGGAGTAAAGTGTACTGAAATTGTCT 1140
 Db 1149 GTCATTAATAATGATAATTGATAATTGATAATTGATAATTGATAATTG 1208
 Qy 1141 TCCCTGATGCCGTCAGCTCATATTGCTTATGTGACTTCATGCTCCCT 1200
 Db 1209 TCAATAATGCCGTGAGTCATCAAACCTACATATTAGCCTTAAAGCTCCG 1268
 Qy 1201 TCTTCCAGTACTTCATCATTCGGCTC 1229
 Db 1269 TCTGTCACTATTGCAACCAAGTCGTC 1297

RESULT 2
 US-08-815-809-4
 ; Sequence 14, Application US/08232463
 ; Patent No. 5670367
 ; GENERAL INFORMATION:
 ; APPLICANT: DORNER, P.
 ; APPLICANT: SCHEIFLINGER, F.
 ; APPLICANT: FALKNER, P. G.
 ; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 ; NUMBER OF SEQUENCE: 52
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley & Lardner
 ; STREET: 1800 Diagonal Road, Suite 500
 ; CITY: Alexandria
 ; STATE: VA
 ; COUNTRY: USA
 ; ZIP: 22313-0299
 ; COMPUTER READABLE FORM:
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentInRelease #1.0, Version #1.25
 ; APPLICATION NUMBER: US/08/232,463
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/07/935,313
 ; FILING DATE:
 ; APPLICATION NUMBER: EP 91 114 300.6
 ; FILING DATE: 26-AUG-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: ENT, Stephen A.
 ; REGISTRATION NUMBER: 29,768
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (703) 836-5300
 ; TELEX: 899149
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 7218 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: Linear
 ; IMMEDIATE SOURCE:
 ; CLONE: PTZ9pt-F18

Qy 1066 AGTTGGTAGAGATGTGATCAGGTCTGTTAAGTCTTGGTGAAGTGTAA 1125
 Db 1047 AGGTGAGGGAGCTGGTGCATYYYYYYYYYYYYYYYYYYYYYYYYY 1106
 Qy 1126 CTGATTACTGTCATTCCTGATGCTGAGCTCATATTGTTATCTGATTCCATT 1185
 Db 1107 YYY 1166
 Qy 1186 GACTTCATGCTCCCTTCTCCACTGCTCATTCACCTCAAT 1245
 Db 1167 YYY 1226
 Qy 1246 GTAGTAGACTACCTCCATATGTCGTCGCTCACAGCACCTC 1288
 Db 1227 YYY 1269

RESULT 3
 US-08-815-809-4
 ; Sequence 4, Application US/08815809
 ; GENERAL INFORMATION:
 ; APPLICANT: TARDAGLIA, James
 ; APPLICANT: GOEBEL, Scott J.
 ; APPLICANT: COX, William I.
 ; APPLICANT: GETTIG, Russell R.
 ; APPLICANT: PINCUS, Steven E.
 ; APPLICANT: PAOLETTI, Enzo
 ; APPLICANT: JACOBS, Betram L.
 ; TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND METHODS OF
 ; MAKING AND USES THEREOF
 ; FILE REFERENCE: A54310 3010
 ; CURRENT APPLICATION NUMBER: US/08/815,809
 ; CURRENT FILING DATE: 1997-03-12
 ; NUMBER OF SEQ ID NOS: 23
 ; SEQ ID NO 4
 ; LENGTH: 2700
 ; SOFTWARE: PatentIn Ver. 2.0

Qy 317 TCTTGGGACCTGTTATCAGATGTTGGGCCATGATTAAGTCACTCTGGAAGA 376
 Db 1743 TCATGGAAATTCTGGTTACTGATACAAACAGCTGATCTTCTCACTTTAAAGA 1802
 Qy 377 AAGAGGAGCAAGGAGGAGCTATTCAGCTCAACCGAAGAAGATGCTATAGTGGCG 436
 Db 1803 AAAGAGGAGTTAGAGGGCTTAATTCAGAAGAACAGATTCCTGTTCC 1862
 Qy 437 AGGGAGCTGATGAGATGGAGGGCTAACATCCGGACCCGGPAT 488
 Db 1863 TCGACATPAGAAAGTCAAATTTCTCCCAAATTTCTCCGAT 1914

RESULT 4
 US-08-816-155B-6
 ; Sequence 6, Application US/08816155B
 ; Patent No. 599001
 ; GENERAL INFORMATION:
 ; APPLICANT: TARTAGLIA, JAMES
 ; APPLICANT: COX, WILLIAM I.
 ; APPLICANT: GETTIG, RUSSELL R.
 ; APPLICANT: MARTINEZ, HECTOR

US -08-232-463-14

```

APPLICANT: PAOLETTI, ENZO
APPLICANT: PINCUS, STEVEN E.
TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND
TITLE OF INVENTION: METHODS OF MAKING AND USES THEREOF
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
    ADDRESSEE: FROMMER, LAWRENCE & HAUG LLP
    STREET: 745 FIFTH AVENUE
    CITY: NEW YORK
    STATE: NEW YORK
    COUNTRY: USA
    ZIP: 10151
COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/08/816,155B
    FILING DATE: 12-MAR-1997
ATTORNEY/AGENT INFORMATION:
    NAME: KOWALSKI, THOMAS J.
    REGISTRATION NUMBER: 32,147
    REGISTRATION DOCKET NUMBER: 454310-2990
TELECOMMUNICATION INFORMATION:
    TELEPHONE: 212-588-0800
    TELEFAX: 212-588-0500
    INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
    LENGTH: 10962 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-816-155B-6

Query Match          Score 35.2; DB 2; Length 10962
Best Local Similarity 54.7%; Pred. No. 1.4;
Matches 70; Conservative 0; Mismatches 58; Indels 0
Qy  361 CTCACACTGTGGAAAGAAAGGAGCAGGGAGGCCCTATCAGGCTCACCGAAAT
Db  1912 CTCACTTTAAAGAAAGAGGCTTAAAGGGCTTAATTCAGGAAAGGAAAG
Qy  421 ATGCTAAATAGATGGGGGGCTGATAGAAATGGAGGTGGCCACTCCATCCC
Db  1972 ATATTCCTATGTTCTGGACATCTAGAAAGAGTAAAAATTTCCTTTCTCC
Qy  481 CTGGCTAT 488
Db  2032 TTCCCGAT 2039

RESULT 5
US-09-079-587-6
; Sequence 6, Application US/09079587
; Patent No. 6130066
; GENERAL INFORMATION:
;    APPLICANT: TARTAGLIA, JAMES
;    APPLICANT: COX, WILLIAM I.
;    APPLICANT: GETTING, RUSSELL R.
;    APPLICANT: MARTINEZ, HECTOR
;    APPLICANT: PAOLETTI, ENZO
;    APPLICANT: PINCUS, STEVEN E.
TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND
TITLE OF INVENTION: METHODS OF MAKING AND USES THEREOF
NUMBER OF SEQUENCES: 48
CORRESPONDENCE ADDRESS:
    ADDRESSEE: FROMMER, LAWRENCE & HAUG LLP
    STREET: 745 FIFTH AVENUE
    CITY: NEW YORK
    STATE: NEW YORK

```

```

COUNTRY: USA
ZIP: 10151
COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/079,587
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/816,155
FILING DATE: 12-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: KOWALSKI, THOMAS J.
REGISTRATION NUMBER: 32,147
REFERENCE/DOCKET NUMBER: 454310-2990
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-588-0500
TELEFAX: 212-588-0500
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 10362 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-079,587-6

* Query Match 2.6% Score 35.2; DB 3; Length 10962;
  Best Local Similarity 54.7%; Pred. No. 1.4;
  Matches 70; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 361 CTCACACTGTGGAAAGAAAGGGAGCAGGAGGAAAGCCCTATTCAGCCTCACCCGAAAGAAG 420
Db 1912 CTCACCTTAAAGAAAGGGCTTAAAGGGCTTAATTCACTTCAGGAAGCAAG 1971
Qy 421 ATGCTAATAGATGGCAGGGGTGTGTATGAGAATGGAGGTGGCCTATCCGAC 480
Db 1972 ATATCTCTGTCGACATCTAGAAAGTGAATAATTCTCTCCAAATC 2031
Qy 481 CTGGCTAT 488
Db 2032 TTCCCGAT 2039

RESULT 6
US-08-816-155B-8
; Sequence 8, Application US/08816155B
; Patent No. 5990091
; GENERAL INFORMATION:
; APPLICANT: TARTAGLIA, JAMES
; APPLICANT: COX, WILLIAM I.
; APPLICANT: GETTIG, RUSSELL R.
; APPLICANT: MARTINEZ, HECTOR
; APPLICANT: PACOLETTI, ENZO
; APPLICANT: PINCUS, STEVEN E.
; TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND
; TITLE OF INVENTION: METHODS OF MARKING AND USES THEREOF
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESS: FROMMER LAWRENCE & HAUG LLP
; STREET: 745 FIFTH AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10151
COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30

```

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/816,155B
 FILING DATE: 12-MAR-1997
 CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: KOWALSKI, THOMAS J.
 REGISTRATION NUMBER: 32,147
 REFERENCE/DOCKET NUMBER: 454310-2990
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-588-0800
 TELEX/FAX: 212-588-0500
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 19877 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-816-155B-8

SEQUENCE CHARACTERISTICS:
 LENGTH: 19877 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)

Query Match 2.6%; Score 35.2%; DB 2; Length 19877;
 Best Local Similarity 54.7%; Pred. No. 2.2;
 Matches 70; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 361 CTCACACTGTGAAAGAGGGAGGAGGAGGCCCTATCGGCTCACCGAAGAG 420
 Db 10827 CTCACCTTTAAAGAAAAGGGTTAAAGGGTTAACGAGACAG 10946

Query Match 2.6%; Score 35.2%; DB 2; Length 19877;
 Best Local Similarity 54.7%; Pred. No. 2.2;
 Matches 70; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 421 ATGCTTAATAGATGGGAGGGAGGGAGGCCCTATCGGCTCACCGAAGAG 480
 Db 10887 ATATCTCTATGTTCTGTCGACATCTAGAAAGACTAAATC 10944

Query Match 2.6%; Score 35.2%; DB 2; Length 19877;
 Best Local Similarity 54.7%; Pred. No. 2.2;
 Matches 70; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

Qy 481 CTGGCTAT 488
 Db 10947 TTCCCGAT 10954

RESULT 8
 US-08-538-960-1
 Sequence 1; Application US/08538960
 Patent No. 5672230
 GENERAL INFORMATION:
 APPLICANT: Stucco, Douglas M.
 APPLICANT: Clark, Barbara J.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
 TREATMENT OF INVENTION: REGULATION OF STEROIDOGENESIS
 NUMBER OF SEQUENCES: 14
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Akin, Gump, Strauss, Hauer & Feld, L.L.P.
 STREET: 1900 Frost Bank Plaza, 816 Congress Avenue
 CITY: Austin
 STATE: TX
 COUNTRY: U.S.A.
 ZIP: 78701
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION NUMBER: US/08/538 960
 FILING DATE: Concurrently Herewith
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Mayfield, Denise L.
 REGISTRATION NUMBER: 33,732
 REFERENCE/DOCKET NUMBER: 43375.0002/DLM
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 512/499-6200
 TELEX/FAX: 512/499-6290
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1466 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: other nucleic acid
 DESCRIPTION: /desc = "DNA"
 US-08-538-960-1

RESULT 7
 US-09-079-587-8
 Sequence 8; Application US/09079587
 Patent No. 6130066
 GENERAL INFORMATION:
 APPLICANT: TARTAGLIA, JAMES
 APPLICANT: COX, WILLIAM J.
 APPLICANT: GETTING, RUSSELL R.
 APPLICANT: MARTINEZ, HECTOR
 APPLICANT: PAGELLI, ENZO
 APPLICANT: PINCUS, STEVEN E.
 TITLE OF INVENTION: VECTORS HAVING ENHANCED EXPRESSION, AND
 TITLE OF INVENTION: METHODS OF MAKING AND USES THEREOF
 NUMBER OF SEQUENCES: 48
 CORRESPONDENCE ADDRESS:
 ADDRESS: FROMMER LAWRENCE & HAUG LLP
 STREET: 745 FIFTH AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10151
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/079, 587
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/816,155
 FILING DATE: 12-MAR-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: KOWALSKI, THOMAS J.
 REGISTRATION NUMBER: 32,147

Query Match 2.6%; Score 34.6; DB 2; Length 1466;
 Best Local Similarity 54.3%; Pred. No. 0.53; Indels 0; Gaps 0;
 Matches 70; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 345 GGCGATGATTAAGTACCTCACACTGTCGAAAGAAGGAGGCGGAGGAGCCATATGTCAG 4.04
 DDB 330 GGCGATACTACAAACCAGGAAAGGGCTGGAAGAGGAAAGCAGGAGAAACGGGGAGA 3.89

QY 405 CCTCACCGGAAAGAAGATGCTATAATAGTGGCAGGAGGTGCTGATAGATGGAGGTGG 4.64
 DDB 390 AGTCTTAAGTAAAGTGTGCGGAGATGTCGCAAGTGTGGCAAGGTTCTGGAGGTGGTAA 4.49

QY 465 CCACTCCAT 4.73
 DDB 450 CCAGCCCAT 4.58

Db 450 CCAGCCCAU 4.58

RESULT 10
 US-08-659-254-1
 Sequence 1, Application US/08659254
 Patent No. 6194555
 GENERAL INFORMATION:
 APPLICANT: Stocco, Douglas M.
 APPLICANT: Clark, Dr. Barbara J.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATION OF STEROIDOGENESIS
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Akin, Gump, Strauss, Hauer & Feld, L.L.P.
 STREET: 1900 Frost Bank Plaza, 816 Congress Avenue
 CITY: Austin
 STATE: TX
 COUNTRY: U.S.A.
 ZIP: 78701
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/659,254
 FILING DATE: 07-JUN-1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/5318,960
 FILING DATE: 04-OCT-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Mayfield, Denise L.
 REGISTRATION NUMBER: 33,732
 REFERENCE/DOCKET NUMBER: 43375.0006
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 512/499-6200
 TELEFAX: 512/499-6290
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1466 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: other nucleic acid
 /desc = "DNA"
 US-08-659-254-1

Query Match 2.6%; Score 34.6; DB 4; Length 1466;
 Best Local Similarity 54.3%; Pred. No. 0.53; Indels 0; Gaps 0;
 Matches 61; Conservative 9; Mismatches 59; Indels 0; Gaps 0;

QY 345 GGCGATGATTAAGTACCTCACACTGTCGAAAGAAGGAGGCGGAGGAGCCATATGTCAG 4.04
 DDB 330 GGCGATACTACAAACCAGGAAAGGGCTGGAAGAGGAAAGCAGGAGAAACGGGGAGA 3.89

QY 405 CCTCACCGGAAAGAAGATGCTATAATAGTGGCAGGAGGTGCTGATAGATGGAGGTGG 4.64
 DDB 390 AGUGCTTAAGTAAAGTGTGCGGAGATGTCGCAAGTGTGGCAAGGTTCTGGAGGTAA 4.49

QY 465 CCACTCCAT 4.73
 DDB 450 CCAGCCCAT 4.58

RESULT 11
 US-08-659-254-14
 Sequence 14, Application US/08659254
 Patent No. 6194555
 GENERAL INFORMATION:
 APPLICANT: Stocco, Douglas M.

APPLICANT: Clark, Dr. Barbara J. COMPOSITIONS AND METHODS FOR REGULATION
 TITLE OF INVENTION: OF STEREOGENESIS
 NUMBER OF SEQUENCES: 19
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/659,254
 FILING DATE: 07-JUN-1996
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/538,960
 FILING DATE: 04-OCT-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Mayfield, Denise L.
 REGISTRATION NUMBER: 33,732
 REFERENCE/DOCKET NUMBER: 43375.0006
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 512/499-6200
 TELEFAX: 512/499-6290
 INFORMATION FOR SEQ ID NO: 14:
 LENGTH: 1466 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: other nucleic acid
 DESCRIPTION: /desc = "RNA"
 US-08-659,254-14

Query Match GGCATGATTAAGTACCTCACACTGTGAAAGAAAGGGAGGAGGAGGCTCTGAG 2.6%; Score 34.6; DB 4; Length 1466;
 Best Local Similarity 47.3%; Pred. No. 0.53%;
 Matches 61; Conservative 9; Mismatches 59; Indels 0; Gaps 0;

Query 345 CCTCACCCGAAAGGAGGATGCTTAATAGATGGGAGGAGGCTGATGATGAG 4.64
 Db 330 GGGCAUCACAAACCGGAGGCGGAAAGGAAAGGAGGAGGAGGAGGAGGAGGA 3.89
 Query 405 AGGCGUAAGGUAGAGUGGUCAAGGUAGGUAGGUAGGUAGGUAGGUAGGUAGA 4.49
 Db 390
 Query 465 CCATCCAT 4.73
 Db 450 CCAGCCAU 4.58

RESULT 12
 US-08-976-255-2
 Sequence 2, Application US/08976255
 Patent No. 6136581
 GENERAL INFORMATION:
 APPLICANT: Plowman, Gregory
 TITLE OF INVENTION: KINASE GENES AND USES
 NUMBER OF SEQUENCES: 53
 CORRESPONDENCE ADDRESS:
 ADDRESSEES: Lyon & Lyon
 STREET: 633 West Fifth street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.

Query Match 2.5%; Score 33.8; DB 4; Length 777;
 Best Local Similarity 49.7%; Pred. No. 0.62%;
 Matches 87; Indels 0; Gaps 0;

RESULT 13
 US-09-134-001C-1767
 Sequence 1, Application US/09134001C
 Patent No. 6380370
 GENERAL INFORMATION:
 APPLICANT: Lynn Doucette-Stamm et al
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
 NUMBER OF SEQ ID NOS: 5674
 FILE REFERENCE: GTC-007
 CURRENT APPLICATION NUMBER: US/09/134.001C
 CURRENT FILING DATE: 1998-08-13
 PRIORITY NUMBER: US 60/064,964
 PRIOR FILING DATE: 1997-11-08
 PRIORITY NUMBER: US 60/055,779
 PRIOR FILING DATE: 1997-08-14
 SEQ ID NO 1767
 LENGTH: 777
 TYPE: DNA
 ORGANISM: *Staphylococcus epidermidis*
 US-09-134-001C-1767

Query Match 2.5%; Score 33.8; DB 4; Length 777;
 Best Local Similarity 49.7%; Pred. No. 0.62%;
 Matches 87; Indels 0; Gaps 0;

```

RESULT 14
US-08-881-094-15/c
; Sequence 15, Application US/08881094A
; Patent No. 602739
; GENERAL INFORMATION:
; APPLICANT: Ryan, Clarence A
; APPLICANT: Pearce, Gregory L
; APPLICANT: McGrail, Barry F
; TITLE OF INVENTION: Sybremin
; FILE REFERENCE: 7555-000001CPB
; CURRENT APPLICATION NUMBER: US/08/881,094A
; CURRENT FILING DATE: 1991-07-09
; EARLIER APPLICATION NUMBER: 08/308,887
; EARLIER FILING DATE: 1990-09-19
; EARLIER APPLICATION NUMBER: PCT/US93/02428
; EARLIER FILING DATE: 1993-03-18
; EARLIER APPLICATION NUMBER: 07/885,412
; EARLIER FILING DATE: 1992-03-19
; EARLIER APPLICATION NUMBER: 07/528,956
; EARLIER FILING DATE: 1990-05-25
; EARLIER APPLICATION NUMBER: PCT/US91/03685
; EARLIER FILING DATE: 1991-05-24
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 15

```

LENGTH: 677
TYPE: DNA
ORGANISM: *Solanum nigrum*

	Query	Match	2.5%	Score	33.6	DB	3	Length	677
	Best Local	Similarity	56.2%	Pred. No.	0.65				
	Matches	63	Conservative	0	Mismatches	49	Indels	0	
Qy	1091	TCTTGTGTTTTAGTTCTTGGAGTGAAAGTGTACTGATTACTGTCAATTCTTG							
Db	1170	TCTTGTGTTGATATCTGGATGAAAGTGTCAATTCTTGTCCTTC							
Qy	1151	CCTTGAGCTCAATTATGCTTATCTGATTCCATTGACTTCATCTCTTTT							
Db	1110	CCTTCTCTCTCTCATGTTCAACTTGTCTTCTGGCATCATCTCTCTGT							

Search completed: March 30, 2003, 05:51:50

RESULT 15
US - 07-855-412B-2/c
; Sequence 2, Application US/07855412B
; Patent No. 5378819
; GENERAL INFORMATION:
; APPLICANT: RYAN, C. A. /McGUIL, B. F. /Pearce, G. L.
; TITLE OF INVENTION: "SYSTEMIN"
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce
; STREET: P.O. Box 828
; CITY: Troy
; STATE: Michigan
; COUNTRY: USA
; ZIP: 48103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette-5.25 inch, 1.2Mb storage